










ROTOR OF SYNCHRONOUS MOTOR.

Patent number: EP0641059
Publication date: 1995-03-01
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Classification:
- **International:** H02K1/27; H02K15/02; H02K21/14; B30B13/00
- **European:** H02K15/03, H02K1/27B2C1B
Application number: EP19940907050 19940215
Priority number(s): WO1994JP00227 19940215; JP19930025765 19930215

Also published as:

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 JP6245451 (A)
 EP0641059 (A4)
 EP0641059 (B1)

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Abstract of EP0641059

A rotor (10) includes a plurality of permanent magnets (14) disposed substantially equidistantly round a shaft (12) and a plurality of laminated core members (16) each being disposed between the permanent magnets (14) and forming a magnetic pole. The laminated core members (16) are formed by laminating and bonding a large number of thin magnetic plate cores (26) and integral type thin cores. The integral type thin core (26) includes a plurality of thin core portions having the same shape and connecting portions (46) for connecting mutually the adjacent thin core portions. When a large number of thin cores (26) and integral type thin cores are integrally joined by a press work, each laminated core member (16) is mutually interconnected between the adjacent laminated core members (16) with a relative arrangement at the time of completion of assembly having installation spaces of the permanent magnets (14), and an integrated type laminate rotor core (48) is formed.

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